

HARSH RAI

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🌐 [LinkedIn](#)

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EDUCATION

Indian Institute of Information Technology Jabalpur

Bachelor of Technology Computer Science and Engineering

Aug 2023 – Aug 2027

Jabalpur, India

COURSEWORK / SKILLS

- | | | | |
|--------------------------------|-------------------------------------|--|-----------------------|
| • Data Structures & Algorithms | • Database Management System (DBMS) | • Computer Architecture & Organization | • Communication |
| • Operating Systems | • OOPS Concept | • Cloud Deployment | • Teamwork |
| • Computer Network | • Web Development | • Version Control | • Problem Solving |
| | | | • Analytical Thinking |

TECHNICAL SKILLS

Languages: C, C++, Python, Java, Html, CSS, JavaScript, SQL, NoSQL

Tech./Frameworks: Git, GitHub, ReactJS, Redux, NodeJS, ExpressJS, Mongodb, Bootstrap, Tailwind CSS

PROJECTS

Harsh's Portfolio [🔗](#) | [React js](#), [JavaScript](#), [Tailwind CSS](#)

Aug 2025

- Developed a personal portfolio website using React and JavaScript to highlight projects, skills, and achievements, aimed at building a strong online presence.
- Crafted a modern, responsive interface with Tailwind CSS, ensuring consistent performance across devices.
- Engineered reusable React components, intuitive navigation, and dynamic project sections for scalability.
- Launched on Vercel for fast, reliable, and production-ready hosting.

WanderStay [🔗](#) | [MongoDB](#), [Express.js](#), [React](#), [Node.js](#)

Jun 2025

- Built a full-featured travel booking platform using the MERN stack, enabling users to explore, reserve, and manage accommodations.
- Delivered a responsive, mobile-friendly UI with React.js, React Router, and Context API, ensuring smooth navigation and reusable elements.
- Integrated secure authentication with JWT and bcrypt for signup, login, and protected sessions.
- Constructed RESTful APIs with Node.js, Express.js, and MongoDB Atlas to handle users, packages, and booking workflows.
- Enabled image upload (Multer + Cloudinary) and deployed the application on Render for production scalability.

Apna-VideoCall [🔗](#) | [MongoDB](#), [Express.js](#), [React](#), [Node.js](#)

Mar 2025

- Built a real-time video conferencing platform using the MERN stack with WebRTC and Socket.IO for secure, high-quality virtual meetings.
- Implemented peer-to-peer video/audio streaming, instant chat, dynamic room management, and screen sharing features.
- Designed a responsive React.js UI with adaptive video grid layouts, intuitive participant controls, and live in-app notifications.
- Applied Redux for efficient state management across sessions, chat, media streams, and synchronized interface updates.
- Deployed RESTful APIs for user/session handling and hosted the platform on Render for scalable production use.

Rank-Sphere | [Mysql](#), [Express.js](#), [React](#), [Node.js](#), [Tailwind CSS](#)

Dec 2024

- Developed Rank Sphere, a full-stack MERN web app to track competitive programming performance across CodeChef, Codeforces, and LeetCode.
- Implemented user authentication and platform ID storage for personalized performance insights.
- Integrated public APIs to display live ratings, problem statistics, and topic-wise analysis through interactive charts.
- Streamlined API handling with automated data refresh for seamless, real-time monitoring.

Achievements

- **Global Rank 591 out of 11,000+ participants** in CodeChef Contest Starters 194 (13-July-2025).
- Solved **200+** coding problems across platforms like CodeChef, CodeForces, and LeetCode, strengthening problem-solving and algorithmic skills.